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(71) Applicant (for all designated States except US): EVOTEC
NEUROSCIENCES GMBH [DE/DE]; Schnackenburg-
allee 114, 22525 Hamburg (DE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): VON DER KAM-
MER, Heinz [DE/DE]; Verbindungsstr. 6d, 22607 Ham-
burg (DE). POHLNER, Johannes [DE/DE]; Quittenweg
11, 22175 Hamburg (DE).

(74) Agents: MEYERS, Hans-Wilhelm et al.; Von Kreisler
Selting Werner, P.O. Box 10 22 41, 50462 Köln (DE).

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(54) Title: DIAGNOSTIC AND THERAPEUTIC USE OF MAL2 GENE AND PROTEIN FOR NEURODEGENERATIVE DIS-
EASES

(57) Abstract: The present invention discloses the differential expression of the gene coding for MAL2 protein in specific brain
regions of Alzheimer's disease patients. Based on this finding, the invention provides a method for diagnosing or prognosticating
Alzheimer's disease in a subject, or for determining whether a subject is at increased risk of developing Alzheimer's disease. Fur-
thermore, this invention provides therapeutic and prophylactic methods for treating or preventing Alzheimer's disease and related
neurodegenerative disorders using the MAL2 gene and its corresponding gene products. A method of screening for modulating
agents of neurodegenerative diseases is also disclosed.



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